Online 3 Set B

You own a cake shop. You have baked a red-velvet cake and sliced it in **n** pieces. *In your town, the price of k pieces of cake <u>together</u> is p_k taka.* How should you sell the n pieces so that your income is maximized.

    A. Take the list of prices **p_k**, and n as input.
    B. Write a program for the above scenario using a DP algorithm.

Sample Input *n* *p_1, p_2, ..., p_n*	Sample output
5 2 6 9 10 12	income: 15 taka 2 pieces together 6 taka 3 pieces together 9 taka